

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP 03/13501

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C10B49/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C10B C10J B01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2 607 666 A (MARTIN HOMER Z) 19 August 1952 (1952-08-19) column 4, line 72 - column 5, line 4 column 5, line 26 - line 33 column 5, line 53 - line 62; figure 1; example ---	1-10, 14-19
X	US 4 377 466 A (WALLMAN PER H) 22 March 1983 (1983-03-22) column 4, line 44 - line 64; figures 2,3 ---	14-19
X	US 2 874 095 A (FRANKLIN STRINGER RICHARD ET AL) 17 February 1959 (1959-02-17) figure 2 --- -/--	14-19



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

### \* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

6 May 2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	WO 02 055744 A (HIRSCH MARTIN ;WEBER PETER (DE); ORTH ANDREAS (DE); MG TECHNOLOGIE) 18 July 2002 (2002-07-18) abstract ---	1-19
A	US 4 789 580 A (HIRSCH MARTIN ET AL) 6 December 1988 (1988-12-06) figure 1 abstract ---	1-19
A	US 3 671 424 A (SAXTON ARTHUR L) 20 June 1972 (1972-06-20) figure 1 ---	1-19
A	US 3 876 392 A (KALINA THEODORE ET AL) 8 April 1975 (1975-04-08) abstract -----	1-19

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Information on patent family members

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